

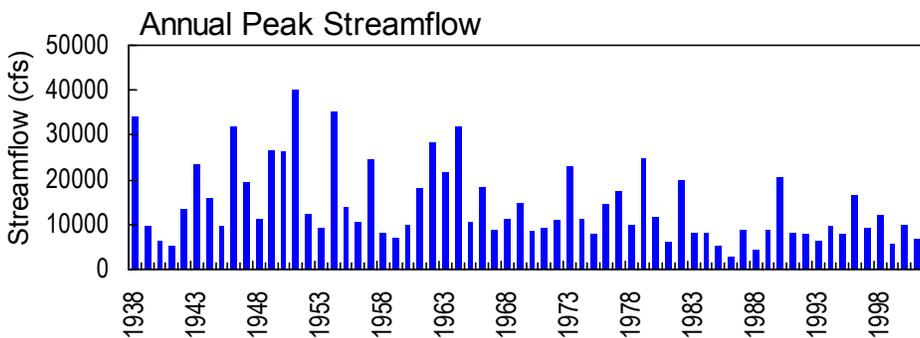
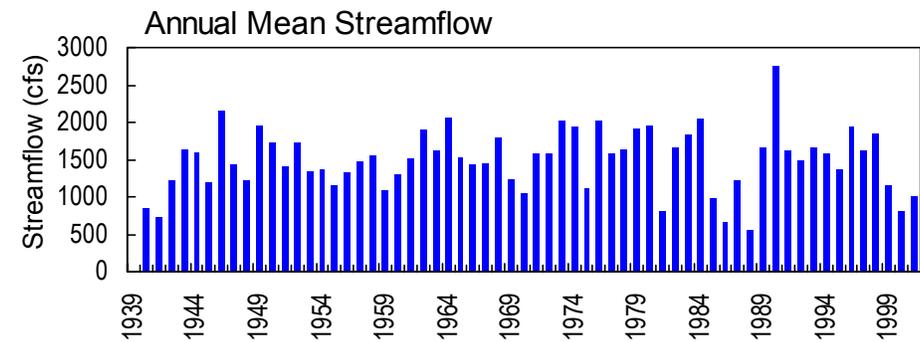
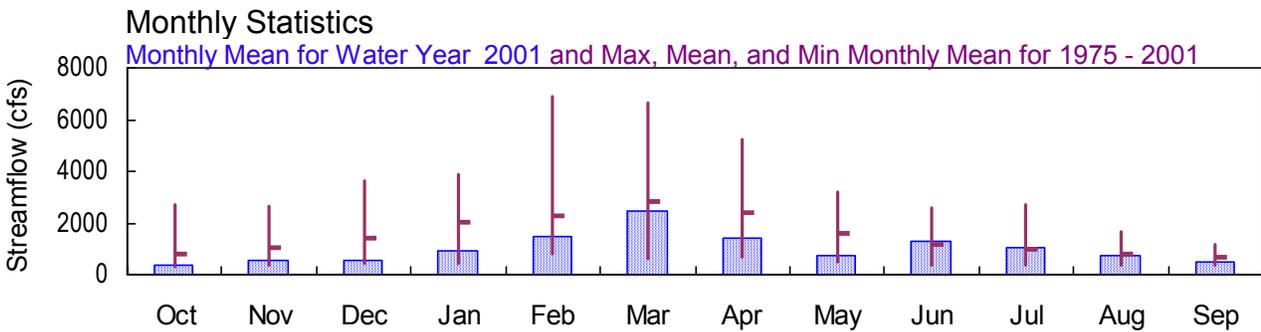
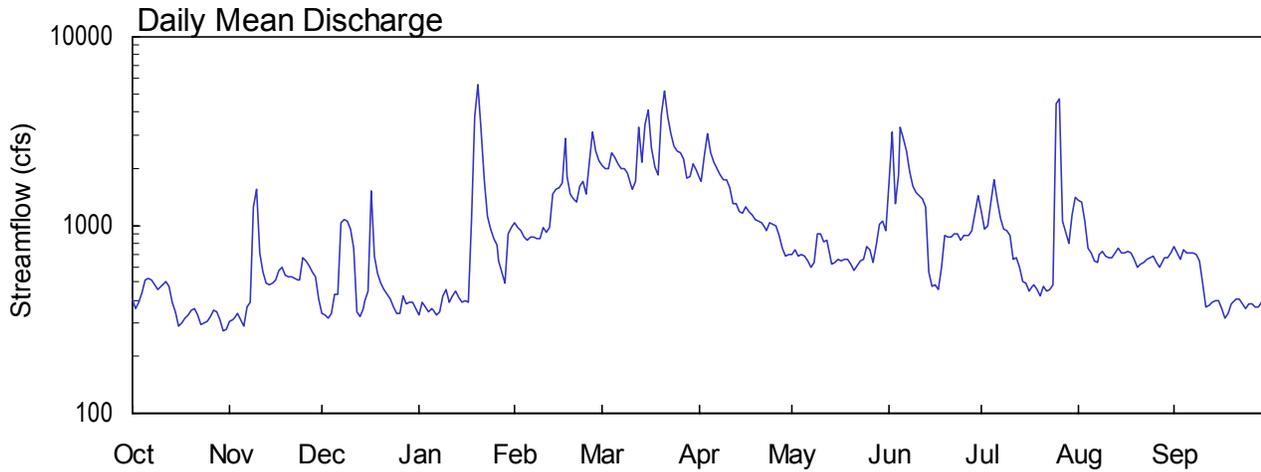


MOBILE RIVER BASIN

2001 Water Year

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

Latitude: 34° 33' 51" Longitude: 84° 49' 59" Hydrologic Unit Code: 03150102 Gordon County
Drainage Area: 831 mi² Datum: 616.2 feet Period of Record: 1975 - 2001



USGS 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

**MOBILE RIVER BASIN
2001 Water Year**

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on the downstream side of right bank pier of Owens Bridge on Owens Gin Road, 1.4 miles downstream from Sallacoa Creek, 8.7 miles upstream from confluence with Conasauga River, and 2.4 miles east of Pine Chapel.

DRAINAGE AREA.--831 mi².

COOPERATION.—U.S. Army Corps of Engineers, Mobile District.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA. Monthly discharge only for October to November 1938, published in WSP 1304.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.-- Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above sea level (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters Re-regulation Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 feet from gage reading at current auxiliary gage discharge 34,000 ft³/s.

**MOBILE RIVER BASIN
2001 Water Year**

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.-- October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, GA.

GAGE.-- Satellite telemetry with a water-stage recorder. Datum of gage is 616.16 feet above sea level (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 miles downstream. Prior to February 23, 1940, a non-recording gage was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, a water-stage recorder was located at current auxiliary gage site and same datum. From February 23, 1940, to April 8, 1975, an auxiliary water-stage recorder was located at current gage site. From April 9, 1975, to September 30, 1976, a water-stage recorder on the Oostanaula River at Resaca was used as auxiliary gage, due to bridge construction.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum gage-height recorded, 19.04 feet, July 26; minimum gage-height recorded, 3.81 feet, October 30.

PRECIPITATION RECORDS

PERIOD OF RECORD.--May 14, 2001 to September 30, 2001.

GAGE.-- Tipping-bucket raingage.

REMARKS.-- Records good.

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343351 LONGITUDE 0844959 DRAINAGE AREA 831.00 DATUM 616.16 STATE 13 COUNTY 129

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	406	307	341	336	1020	2090	1790	702	1680	1180	1350	768
2	359	313	331	389	971	2010	1720	735	3120	946	1330	718
3	386	323	320	370	935	2010	2350	689	1300	997	1050	663
4	441	337	339	350	871	2410	3030	699	1850	1330	756	737
5	511	316	426	359	837	2290	2400	682	3300	1740	714	710
6	520	290	433	354	864	2120	2140	650	2900	1340	643	706
7	516	366	1020	336	857	2010	2010	600	2460	1090	638	709
8	487	393	1080	344	848	1980	1860	636	1900	950	692	704
9	452	1260	1050	425	847	1870	1740	894	1620	932	727	e640
10	472	1560	950	452	964	1640	1730	891	1490	875	691	494
11	491	705	752	386	913	1560	1590	815	1430	660	674	365
12	500	566	344	419	965	1690	1310	835	1390	666	674	377
13	474	489	326	449	1460	3310	1300	685	1250	600	716	393
14	386	485	361	416	1540	2160	1170	625	566	497	753	399
15	346	488	396	387	1570	3410	1160	635	477	490	711	397
16	294	507	444	399	1660	4130	1240	656	487	445	711	359
17	302	572	1530	392	2870	2550	1180	642	452	472	723	322
18	319	592	689	1070	1800	2020	1140	653	600	487	717	340
19	333	538	551	3780	1460	1850	1080	662	875	453	662	382
20	356	531	495	5550	1370	3870	1040	627	864	423	601	388
21	362	535	454	3150	1320	5200	1030	580	865	475	626	405
22	336	520	432	1750	1600	3760	969	615	894	445	633	403
23	295	507	404	1110	1700	3050	938	647	907	459	654	383
24	304	511	368	946	1470	2620	1030	663	834	480	677	364
25	311	665	340	846	2160	2480	1010	773	879	4450	681	384
26	328	641	339	777	3130	2430	984	746	877	e4700	636	383
27	352	607	425	646	2490	2230	885	634	880	e1040	596	370
28	348	563	385	567	2190	1760	759	782	926	916	644	370
29	316	529	392	490	---	1820	683	1010	1150	805	673	391
30	277	407	391	894	---	2120	692	1050	1420	1140	671	442
31	281	---	361	965	---	1970	---	926	---	1410	708	---
TOTAL	11861	16423	16469	29104	40682	76420	41960	22439	39643	32893	22732	14466
MEAN	383	547	531	939	1453	2465	1399	724	1321	1061	733	482
MAX	520	1560	1530	5550	3130	5200	3030	1050	3300	4700	1350	768
MIN	277	290	320	336	837	1560	683	580	452	423	596	322
CFSM	.46	.66	.64	1.13	1.75	2.97	1.68	.87	1.59	1.28	.88	.58
IN.	.53	.74	.74	1.30	1.82	3.42	1.88	1.00	1.77	1.47	1.02	.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	797	1058	1399	2014	2290	2814	2429	1575	1171	980	811	667
MEAN	797	1058	1399	2014	2290	2814	2429	1575	1171	980	811	667
MAX	2717	2653	3629	3883	6921	6657	5219	3191	2558	2706	1664	1200
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1989
MIN	296	340	409	438	806	642	688	502	353	349	365	347
(WY)	1979	1988	1988	1981	2000	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1975 - 2001

ANNUAL TOTAL	302275	365092	
ANNUAL MEAN	826	1000	1496
HIGHEST ANNUAL MEAN			2741
LOWEST ANNUAL MEAN			562
HIGHEST DAILY MEAN	9550	Apr 4	5550
LOWEST DAILY MEAN	277	Oct 30	277
ANNUAL SEVEN-DAY MINIMUM	308	Oct 29	308
MAXIMUM PEAK FLOW			6690
MAXIMUM PEAK STAGE			19.04
ANNUAL RUNOFF (CFSM)	.99		1.20
ANNUAL RUNOFF (INCHES)	13.53		16.34
10 PERCENT EXCEEDS	1440		2050
50 PERCENT EXCEEDS	592		692
90 PERCENT EXCEEDS	361		355

STATISTICS COMPUTED BY: gabailey

DATE: 03/18/2002 AT: 08:59:19

e Estimated

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343351 LONGITUDE 0844959 DRAINAGE AREA 831.00 DATUM 616.16 STATE 13 COUNTY 129

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.25	3.97	4.07	4.05	5.94	8.68	7.93	5.07	7.63	6.36	6.78	5.25
2	4.12	3.99	4.04	4.20	5.80	8.46	7.74	5.17	11.17	5.73	6.75	5.12
3	4.19	4.01	4.01	4.15	5.70	8.46	9.31	5.04	7.29	5.87	6.06	4.97
4	4.35	4.05	4.06	4.09	5.53	9.44	10.92	5.07	8.01	6.76	5.22	5.17
5	4.55	3.99	4.31	4.12	5.44	9.15	9.44	5.02	11.55	7.85	5.11	5.10
6	4.57	3.92	4.33	4.10	5.51	8.76	8.80	4.93	10.62	6.78	4.91	5.09
7	4.56	4.14	5.94	4.05	5.49	8.48	8.48	4.80	9.59	6.11	4.90	5.10
8	4.48	4.22	6.10	4.07	5.47	8.40	8.09	4.89	8.25	5.74	5.05	5.08
9	4.38	6.52	6.02	4.31	5.47	8.12	7.79	5.59	7.48	5.70	5.14	---
10	4.44	7.64	5.74	4.38	5.78	7.54	7.77	5.59	7.15	5.56	5.05	4.50
11	4.49	5.16	5.21	4.19	5.64	7.33	7.40	5.39	7.00	4.96	5.00	4.13
12	4.52	4.70	4.07	4.29	5.78	7.68	6.68	5.44	6.91	4.98	5.00	4.17
13	4.44	4.49	4.02	4.37	7.08	11.55	6.67	5.03	6.55	4.80	5.11	4.22
14	4.19	4.47	4.12	4.28	7.28	8.87	6.32	4.86	4.74	4.51	5.21	4.23
15	4.08	4.48	4.22	4.20	7.35	11.76	6.30	4.89	4.45	4.49	5.10	4.23
16	3.93	4.54	4.36	4.23	7.58	13.49	6.49	4.95	4.48	4.36	5.10	4.12
17	3.95	4.72	7.26	4.21	10.70	9.92	6.35	4.91	4.38	4.44	5.13	4.01
18	4.00	4.77	5.04	6.02	8.42	8.49	6.24	4.94	4.79	4.48	5.11	4.06
19	4.04	4.62	4.66	12.59	7.40	8.06	6.08	4.97	5.54	4.38	4.97	4.18
20	4.11	4.60	4.50	16.75	6.85	12.94	5.98	4.87	5.51	4.30	4.80	4.20
21	4.13	4.61	4.39	12.60	6.72	16.19	5.96	4.74	5.52	4.45	4.87	4.25
22	4.05	4.57	4.33	8.65	7.44	13.67	5.79	4.84	5.59	4.36	4.89	4.24
23	3.93	4.54	4.25	6.16	7.69	11.50	5.71	4.92	5.63	4.40	4.94	4.19
24	3.96	4.55	4.14	5.73	7.10	9.96	5.95	4.97	5.43	4.46	5.01	4.13
25	3.98	4.97	4.06	5.46	8.78	9.63	5.91	5.27	5.57	13.99	5.02	4.19
26	4.03	4.91	4.06	5.28	11.19	9.51	5.83	5.19	5.55	---	4.89	4.19
27	4.10	4.81	4.31	4.92	9.70	9.03	5.57	4.89	5.56	---	4.78	4.15
28	4.09	4.69	4.19	4.70	8.92	7.85	5.23	5.29	5.68	5.65	4.92	4.15
29	3.99	4.60	4.21	4.49	---	7.99	5.02	5.92	6.26	5.35	5.00	4.21
30	3.88	4.25	4.21	5.59	---	8.75	5.05	5.99	7.04	6.24	4.99	4.35
31	3.89	---	4.12	5.78	---	8.37	---	5.77	---	6.96	5.09	---
MEAN	4.18	4.65	4.59	5.68	7.06	9.61	6.89	5.14	6.70	---	5.16	---

STATION NUMBER 02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA STREAM SOURCE AGENCY USGS
 LATITUDE 343351 LONGITUDE 0844959 DRAINAGE AREA 831.00 DATUM 616.16 STATE 13 COUNTY 129

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	1.25	.00	.43	.27
2	---	---	---	---	---	---	---	---	.00	.00	.06	.96
3	---	---	---	---	---	---	---	---	.13	.27	.05	.21
4	---	---	---	---	---	---	---	---	.91	.62	.00	.01
5	---	---	---	---	---	---	---	---	.00	.13	.00	.00
6	---	---	---	---	---	---	---	---	.05	.01	.00	.00
7	---	---	---	---	---	---	---	---	.28	.00	.00	.00
8	---	---	---	---	---	---	---	---	.11	.00	.00	.00
9	---	---	---	---	---	---	---	---	.00	.69	.00	.00
10	---	---	---	---	---	---	---	---	.00	.00	.00	.00
11	---	---	---	---	---	---	---	---	.00	.00	.01	.00
12	---	---	---	---	---	---	---	---	.00	.00	1.95	.00
13	---	---	---	---	---	---	---	---	.00	.00	.31	.01
14	---	---	---	---	---	---	---	---	.00	.00	.00	.00
15	---	---	---	---	---	---	---	.00	.17	.00	.00	.00
16	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
17	---	---	---	---	---	---	---	.00	.00	.00	.04	.00
18	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	---	.10	.00	.03	.00	.45
20	---	---	---	---	---	---	---	.00	.00	.05	.00	.01
21	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	---	.37	.78	.00	.00	.00
23	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
24	---	---	---	---	---	---	---	1.13	.00	.27	.00	.43
25	---	---	---	---	---	---	---	.13	.02	3.65	.00	.01
26	---	---	---	---	---	---	---	.00	.00	.06	.00	.00
27	---	---	---	---	---	---	---	.42	1.17	.01	.00	.00
28	---	---	---	---	---	---	---	1.00	.67	.01	.00	.00
29	---	---	---	---	---	---	---	.00	.91	.29	.00	.00
30	---	---	---	---	---	---	---	.00	.34	.00	.18	.00
31	---	---	---	---	---	---	---	.33	---	.00	.27	---
TOTAL	---	---	---	---	---	---	---	---	6.79	6.09	3.30	2.36